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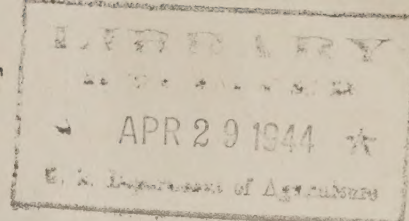
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02.59
F. W. SCHUMACHER, HORTICULTURIST

P. O. BOX 131

JAMAICA PLAIN,

BOSTON, MASS.



THE FARM NURSERY

GROW YOUR OWN TREES FROM SEED

HOW TO PLANT:

Seeds of most trees and shrubs require handling quite different from ordinary garden seeds. To prepare them for germination, many seeds, especially the hard coated, such as cannot be readily cut with a knife, require exposure to the elements. This process preparatory to germination is called "After Ripening". Three factors govern it namely--Moisture, Air and Temperature. The proper temperature being in the degrees just above freezing.

SOIL:

Seeds may be planted on any type of soil provided they are sown on a prepared surface layer made up of a soil mixture most suitable for germination. A mixture holding moisture and air and containing a certain amount of plant food in readily available a form as in humus is made by using two parts of humus, two parts of sand and one part of the soil available at site.

WHERE TO PLANT:

Seedlings of most trees and shrubs especially those of evergreens require shelter - Protection against sun and wind. You may plant your seeds on the North side or East of buildings or fences or under the shade of high trees, anywhere they receive some sunlight, be it from the low rays of the early morning sun or sunshine filtered thru a canopy of overhead foliage. Pots and cans make good containers in which to plant small amounts of seed.

WHEN TO PLANT:

All hard coated seeds may be planted either in Fall or as early in Spring as the ground can be worked. Not all seeds are available early enough in the Fall in time for planting and Spring planting usually becomes the rule. Evergreen seeds, with a few exceptions, do better if planted in the Spring.

BEDS:

It is advisable to prepare beds four feet wide and desired length and plant seeds in rows across the bed. Board frames four feet wide, similar to hot bed frames, may be used in the open and shade provided by a cover of shade screens made of plaster lath nailed so as to admit fifty percent of light by nailing laths their own width apart.

Nut seeds or acorns may be planted either in beds or at site where you want the trees to stand. Prepare a small hole, about four inches deep, put in some leafmold, then four to six seeds and cover with two inches of leafmold. Where rodents abound a protective cover made of wire mesh may be used. When seedlings are up, allow them to grow up together for two or three seasons and finally retain the strongest or most desirable plant in the lot.

Hard coated seeds if Spring planted, usually will remain dormant in the beds for the first season. After sowing a one-half inch mulch of buckwheat hulls, chaff, sawdust or any other suitable material should be applied to keep weeds out and retain moisture. Additional mulching is advisable in late Fall to prevent frost-heaving off the young plants.

Seeds received in the form of dried berries should be soaked until pulp softens, then broken up and may be planted, pulp and all, with ease, if a little sand or humus is mixed in.

THE FARM MUSEUM

HOW TO PLANT

HOW TO PLANT

Seeds of most trees and shrubs require special treatment before they will grow. To prepare them for germination, they must be soaked in water for several days. This process is called "stratification". The proper temperature being in the degree just above freezing.

HOW TO PLANT

Seeds may be planted in any form of soil, provided they are not too deep. A certain amount of light is necessary for some seeds, but for most, a dark place is better. The soil should be kept moist.

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Seeds of most trees and shrubs require special treatment before they will grow. To prepare them for germination, they must be soaked in water for several days. This process is called "stratification". The proper temperature being in the degree just above freezing.

HOW TO PLANT

All hard-coated seeds may be planted either in fall or in early spring. In the fall, they should be planted in a cold frame or in a trench. In the spring, they should be planted in a cold frame or in a trench.

HOW TO PLANT

It is advisable to prepare seeds for fall and winter. The seeds should be soaked in water for several days. This process is called "stratification". The proper temperature being in the degree just above freezing.

Seeds of most trees and shrubs require special treatment before they will grow. To prepare them for germination, they must be soaked in water for several days. This process is called "stratification". The proper temperature being in the degree just above freezing.

Hard-coated seeds of spring-planted trees should be planted in the fall. The seeds should be soaked in water for several days. This process is called "stratification". The proper temperature being in the degree just above freezing.

Seeds received in the form of dried fruit should be soaked in water for several days. This process is called "stratification". The proper temperature being in the degree just above freezing.

SEEDS OF FRUITS - NUT TREES - ECONOMIC PLANTS

APPLE-WILD SWEET CRAB - this native Crab is a handsome ornamental when in bloom. Fruit is relished by all kinds of wild life. Its exquisite aroma imparts a rich flavor to any preserves with which it is used.

.15¢ pkt. .40¢ oz.

SIBERIAN CRAB - this is one of the best all around farm trees we have. It grows fast, may be used for wind-breaks, as specimen tree on lawns for its clean foliage and profuse bloom. Its heavy crops of small berry-like fruit is excellent food for birds and chickens, also may be used in preserves after frost has softened the pulp. Sold in form of Dried Berries.

.20 oz. .55 1/4 lb. 1.75 lb.

JUNEBERRY (Shadblow or Shadbush) - large shrubs or small trees. The native Shadbushes are the earliest native trees to bloom and fruit. Heavy crops of berries are ready in June. Fruit is used for pies and preserves and is relished by the birds. Seed offered is of the large fruited, prolific Apple Shadblow.

.15 pkt. .35 oz. 1.00 1/4 lb.

MULBERRY - berries are excellent food for all kind of wild life and domestic animals also good for eating and preserves. We offer the hardy Russian type.

.25 oz. .60 1/4 lb. 1.75 lb.

PAWPAW - this small native American tree is often planted for its handsome foliage, its dark purple nectar producing and bees attracting flowers and its curious fruit which is nutritious and delicious to eat when fully ripe.

.20 oz. .40 1/4 lb. 1.25 lb.

PERSIMMON - the native American Persimmon has lately come in for attention for its ornamental value as well as for its fruit crops. We supply Northern seeds only.

.15 oz. .35 1/4 lb. 1.00 lb.

PLUM - the native American varieties are by far not known and appreciated enough. People who once have used the fruit come back for more every season and vie with one another for the possession of the wild crops. Why not plant a few trees in the home orchard? All varieties bear astonishingly heavy crops of fruit which make delicious stews, preserves and jellies. All are small trees but the Beach Plum which is of bush type. They may easily be grown from seed and should be planted in groups of a number of trees to insure cross pollination:

Seed of blue-fruited Plums

.25 oz. .55 1/4 lb. 1.50 lb.

Seed of varieties with brilliant red fruit

.30 oz. .65 1/4 lb. 2.00 lb.

Seed of the Beach Plum

.25 oz. .55 1/4 lb. 1.50 lb.

NUTS - the Black Walnut is the best all around American Nut Tree for planting in the North for nut crops and timber. It grows best on bottom lands or in moist, but well drained soils. Planting-nuts are now available from cultural varieties selected for their good nuts. Trees grown from these nuts should be expected to produce nut crops larger in quantity and size of nuts than trees grown from wild nuts. On shallow upland soil, the Butternut thrives better. The wood of this, we understand, is also used for quality lumber.

BLACK WALNUT - Planting-nuts from large fruited orchard trees are available in the following varieties--

OHIO, STABLER, TEN EYCK, THOMAS or MIXTURE of all four at-.40 lb. 1.75 per 5 lbs. 3.35 per 10 lbs.

BLACK WALNUT- Wild nuts of Eastern or Mid-western origin, state your preference.

.30 lbs. 1.25 per 5 lbs. 2.25 per 10 lbs.

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

BUTTERNUT - Eastern nuts .30 lb. 1.50 per 5 lbs. 2.85 per 10 lbs.

HYBRID NUT - (Butternut X Heartnut)- a fine vigorous Hybrid. Nuts of Butternut flavor, easy to crack, shell out whole.
10 nuts .45 100 nuts 3.00

FILBERT -(Hazelnut) -American .65 lb. 3.00 per 5 lbs. 5.50 per 10 lbs.

Filbert - large fruited garden varieties
.45 lb. 2.00 per 5 lbs. 4.00 per 10 lbs.

HICKORY - we offer five native varieties. All are desirable as forest trees and for shade. All furnish wood of exceptional quality both for manufacture and use as fuel. For nut crops the Shagbark and Shellbark are the best-

BITTERNUT - MOCKERNUT - PIGNUT - SHAGBARK - SHELLBARK (Kingnut)
.35 lb. 1.50 per 5 lbs. 2.85 per 10 lbs.

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II.

FARM TREES FOR FENCE POSTS- LUMBER - SHADE AND ORNAMENT

ASH-WHITE ASH - the best of our native Ashes. Its rapid growth, immunity from disease and insects and the many uses for its wood make it one of our most important forest and a good shade tree.

.15 oz. .30 1/4 lb. .85 lb.

GREEN ASH - will succeed on poor soil and is much used for wind-breaks and shelter belt plantings.

.15 oz. .30 1/4 lb. .85 lb.

BASSWOOD (Linden) - much planted as a shade tree for its dense rounded crown. Foresters value its wood for many purposes and bee-keepers its blossoms.

.15 oz. .45 1/4 lb. 1.50 lb.

BIRCH-plant GRAY BIRCH (on dry land) and PAPER BIRCH (on moist land) for ornament, YELLOW BIRCH for timber. Birch seed requires early planting under shade. Firm down with board, cover seeds very lightly and keep moist constantly after planting. Seeds of all three are -

.15 pkt. .25 oz. .75 1/4 lb. 2.35 lb.

CATALPA - much planted as ornamental for its large leaves and profuse bloom. Flowers are white with purple and yellow markings and borne in clusters.

.15 oz. .40 1/4 lb. 1.50 lb.

COFFEE TREE - the Kentucky Coffee Tree, unfortunately is not a native substitute for Coffee and its beans are many times the size of Coffee beans but it makes a good lawn tree and its durable wood is used for fence posts and timber. Seed germinates best if the hard coat is chipped with a hack saw or boiling water poured over seeds and allowed to soak for a day.

10 seeds .15 100 seeds .50

FLOWERING DOGWOOD - this is perhaps the very best native ornamental tree we have with its beautiful white bloom in Spring, its striking fruiting habit and foliage tints in Fall. Its small size makes it a perfect garden tree. Wood is very hard and strong and much in demand for cotton-mill machinery.

.15 oz. .40 1/4 lb. 1.50 lb.

GINKGO - (Maiden Hair Tree) - a well grown Ginkgo is a majestic sight to behold. This singular tree, a link between the Conifers and Broadleaved Tree, is now widely planted for its hardiness and immunity from insects. The edible seeds are the size of a small Filbert.

10 seeds .15 100 seeds .50

GOLDRAIN - a small tree with upright clusters of yellow flowers in Summer, followed by bladder-like fruit.

.15 1/4 oz. .35 oz.

GOLDENCHAIN - a small tree of beauty with long golden yellow chains in Spring

.15 pkt. .20 1/4 oz. .50 oz.

HAWTHORN - small thorny trees, attractive in flower and their profusion of fruit which are relished by many domestic and wild animals. They are unsurpassed for planting as impenetrable hedges.

COCKSPUR HAWTHORN - distinguished by its long spurrs, shiny foliage and late fruit.

ENGLISH HAWTHORN - the Hawthorn of Colonial Gardens.

RED HAW - remarkable for its profusion of large brightly colored fruit in late Summer.

WASHINGTON THORN - one of the best for its small size and attractive fruiting habit. The small berries borne in clusters are excellent bird food in Winter. All Hawthorn seeds are -

.15 1/4 oz. .35 oz. 1.00 1/4 lb.

LOCUST-BLACK LOCUST - for its extremely hard and durable wood is extensively used for fence posts. It is much planted in erosion control work and will rapidly spread by root sprouts after cutting quickly forming impenetrable thickets. Do not use it where sprouts may interfere with other plantings.

.15 oz. .35 1/4 lb. 1.00 lb.

HONEY LOCUST - Farmers plant the tree on pastures as a forage crop. The large profusely produced seed pods contain sugar and are eagerly consumed by all grazing animals. Grass seems to prosper under the light shade of these trees. Seed offered is of the thornless variety.

.15 oz. .35 1/4 lb. 1.00 lb.

MAPLE - AMUR MAPLE - of bushy habit a good ornamental Maple for its small size, interesting fruit and Fall coloring. Good for tall hedges and wind-breaks.

.15 1/4 oz. .30 oz. .85 1/4 lb. 2.50 lb.

NORWAY MAPLE - an excellent shade tree. .15 oz. .35 1/4 lb. 1.00 lb.

~~SUGAR MAPLE - plant for timber, sugar productions and shade.~~

~~.15 oz. .50 1/4 lb. 1.85 lb.~~

MOUNTAIN ASH - (Rowan Tree) - a splendid small tree, very ornamental with its large clusters of berries. An important food tree for all kind of birds. We have both the AMERICAN and EUROPEAN kind.

.15 oz. .45 1/4 lb. 1.50 lb.

OSAGE ORANGE - much planted for hedges and living fence posts. The wood is exceedingly hard, very strong and durable in contact with the soil and largely used for posts.

.15 oz. .45 1/4 lb. 1.50 lb.

OAK - for their thrifty growth, large and handsome form Oak trees are valued the best of shade trees. The Red Oak is now extensively planted as a forest tree for timber production. The heavy crops of acorns are good forage for swine and wild animals. The Pin Oak is the fastest growing native oak and for its sleek appearance preferred to all others in ornamental plantings.

RED OAK ACORNS .30 lb. 2.35 per 10 lbs. 20.00 per 100 lbs.

PIN OAK ACORNS .35 lb. 2.75 per 10 lbs.

RED BUD - (Judas Tree) - this small tree with its profusion of bright, purplish red pea-shaped flowers is planted as a harbinger of Spring. It needs little room and may be planted under tall trees or in hedge rows.

.15 pkt. .25 oz. .60 1/4 lb. 2.00 lb.

SILVER BELL - (Snowdrop Tree) - attractive small tree with white bell-shaped drooping flowers in Spring. Large seeds.

.15 per 10 .85 per 100

TULIP TREE - (Yellow Poplar) - one of the largest and most valuable of native hard woods and shade trees. Should be used extensively in forest plantings. Seed is naturally poor and should be planted thickly.

.15 oz. .35 1/4 lb. 1.00 lb.

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YELLOW WOOD - very handsome and graceful American Tree, producing clusters of white pea-shaped flowers in early Summer.

.15 pkt. .20 1/4 oz. .50 oz.

One packet each of 12 different trees 1.35

One packet each of 24 different trees 2.50

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III

EVERGREENS

ARBORVITAE-AMERICAN ARBORVITAE-(White Cedar) - is the best all around small evergreen tree for ornamental plantings and hedges. Does well in dry and wet soil.

.15 pkt. .45 oz. 1.25 1/4 lb.

ORIENTAL ARBORVITAE - faster growing but not as hardy as former

.15 pkt. .45 oz. 1.25 1/4 lb.

~~BALSAM FIR - much planted in the North as a Christmas tree crop.~~

~~.15 pkt. .35 oz. 1.00 1/4 lb. 3.50 lb.~~

~~DOUGLAS FIR - very fine Spruce-like Evergreen with bluish foliage.~~

~~.15 pkt. .25 1/4 oz. .75 oz.~~

HEMLOCK-CANADA HEMLOCK - a very graceful ornamental and good timber tree especially for moist and shady sites.

.15 pkt. .25 1/4 oz. .75 oz. 2.50 1/4 lb.

PINES-JACK PINE - will grow where no other forest crops will succeed on the poorest of sand soils.

.15 pkt. .20 1/4 oz. .50 oz. 1.50 1/4 lb. 5.00 lb.

PITCH PINE -the best native Pine for sea shore plantings and on sand dunes.

.15 1/4 oz. .30 oz. .75 1/4 lb. 2.50 lb.

RED NORWAY PINE - next to White Pine the most important native Pine, fast growing and doing well on land too poor for White Pine.

.15 pkt. .25 1/4 oz. .85 oz. 2.25 1/4 lb. 7.50 lb.

SCOTCH PINE - does well on land too poor for Red Pine, fast growing and used for Christmas trees.

.15 pkt. .25 1/4 oz. .85 oz. 2.50 1/4 lb. 9.00 lb.

WHITE PINE - a fine ornamental and most important timber tree.

.15 1/4 oz. .25 oz. .75 1/4 lb. 2.50 lb.

RED CEDAR - fast growing, much planted for specimens and hedges.

.15 pkt. .30 oz. 1.00 1/4 lb.

SPRUCES-COLORADO BLUE SPRUCE - well known for its ornamental value.

.15 pkt. .25 1/4 oz. .75 oz. 2.50 1/4 lb.

NORWAY SPRUCE - the best all around Christmas tree, much planted for ornament and timber. Seed is very scarce at present.

.25 pkt.

WHITE SPRUCE - a very hardy native Spruce much used for wind-breaks and shelter belt planting. We offer the Black Hills variety.

.15 pkt. .25 1/4 oz. .75 oz. 2.50 1/4 lb.

One packet each of 12 different evergreens 1.35

One packet each of 24 different evergreens 2.50

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IV.

ORNAMENTAL SHRUBS

BARBERRY - the Common Hedge variety. .15 pkt. .35 oz. .85 1/4 lb. 2.75 lb.

The Red Leaved variety - with dark purple, shiny leaves

.20 pkt. .35 1/4 oz. 1.25 oz.

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COTONEASTER - small berrying shrubs, perfect for use in the garden, exceedingly ornamental with their heavy crops of fruit and splendid producers of bird food.

CHERRYBERRY COTONEASTER - of graceful pendant habit with dark purplish berries.

GLOSSY COTONEASTER - of upright growth, distinguished by its handsome foliage and shiny black berries.

MULTIFLORA COTONEASTER - one of the best with its profusion of flowers and heavy fruit crops.

PEKING COTONEASTER - the hardiest of all with black berries, much planted in the North.

ROCK COTONEASTER - a dwarf horizontally branched shrub, fine for rock gardens.

COTONEASTER seeds are - .20 pkt. .30 1/4 oz. .75 oz.

EUONYMUS - (Burning Bush-Spindle Tree) - highly ornamental for their fruiting habit, fine for tall hedges. We offer both the AMERICAN and EUROPEAN. .15 pkt. .20 1/4 oz. .65 oz.

FIRETHORN - splendid evergreen shrub for sheltered places with white flowers and masses of brilliantly colored berries in Fall. .15 pkt. .25 1/4 oz. .65 oz.

HOLLY - AMERICAN HOLLY - is quite easy to grow from seed if one has patience to wait for its germination. The Holly is our most distinct native broadleaved evergreen tree, quite hardy if planted in wind shelter. .15 pkt. .20 1/4 oz. .45 oz.

HONEYSUCKLE - we offer the free flowering and fruiting bush type. .15 pkt. .20 1/4 oz. .45 oz.

LILAC-COMMON GARDEN LILAC - seed offered is of named Garden Hybrids and will produce plants with large flower spikes.

LATE LILAC - this is a splendid late flowering Chinese variety.

HYBRID LILAC - a splendid Hybrid race between the Late and Hungarian Lilacs, distinguished by its large flower spikes.

ALL LILAC seeds - .15 pkt. .25 1/4 oz. .60 oz.

PEA SHRUB - a very hardy shrub, with yellow flowers, from Siberia, much planted in the North as an ornamental and for wind-breaks. .15 pkt. .20 1/4 oz. .50 oz.

PEARL BUSH - tall shrub with arching branches, beautiful pure white flowers in May. .15 pkt. .25 1/4 oz. .75 oz.

RUSSIAN OLIVE - one of the hardiest of shrubs, fast and tall growing with silvery leaves, much planted in the North for ornament and wind-breaks. .15 oz. .45 1/4 lb. 1.25 lb.

ROSE-PRAIRIE ROSE - a fine late flowering native shrub rose with arching branches. .15 pkt. .20 1/4 oz. .45 oz.

RUGOSA ROSE - often called Apple Rose for its large size fruits which make excellent eating in jellies and preserves. .15 pkt. .20 1/4 oz. .50 oz.

WICHURIA (Memorial) ROSE - a creeping variety with shiny foliage and white flowers, splendid for ground cover. .15 pkt. .25 1/4 oz. .75 oz.

CHERRY BLOSSOM - small, bushy, flowers for use in the garden, especially ornamental with heavy crops of fruit and excellent producers of this food.

CHERRY BLOSSOM - of spreading pendant habit with dark foliage.

CHERRY BLOSSOM - of upright growth, distinguished by its numerous foliage and shiny black berries.

CHERRY BLOSSOM - one of the best with the profusion of flowers and heavy fruit crops.

CHERRY BLOSSOM - the smallest of all with black berries, much planted in the North.

CHERRY BLOSSOM - a dwarf bushy shrub, much planted in the North.

CHERRY BLOSSOM - 70 lbs. 75 lbs. 75 lbs. 75 lbs.

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SANDCHERRY - a bush type Cherry bearing heavy crops of fruit. Much planted for its fruit in the Prairie States.

.15 pkt. .30 oz. 1.00 1/4 lb.

VIBURNUM-ARROW-WOOD VIBURNUM - very hardy wind resistant shrub, bearing heavy crops of blue berries, providing excellent bird food.

HIGHBUSH CRANBERRY VIBURNUM - with brilliant red fruit in Fall, often used for preserves.

.15 pkt. .20 1/4 oz. .45 oz.

WITCHHAZEL - a splendid large native shrub with ornamental foliage, Fall flowering.

.15 pkt. .20 1/4 oz. .50 oz.

One packet each of 12 different shrubs 1.35

One packet each of 24 different shrubs 2.50

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AZALEA and RHODODENDRON - seeds are fine and must be planted inside in pots. Sow at any time of year. Prepare soil mixture as described on page 1. Fill pot firmly within two inches of margin and add one inch of finely cut Sphagnum Moss (fresh Moss if possible but old Moss will do) firm down, water moss and sow seed, press on gently, but do not cover seeds and keep planting moist at all times until seeds germinate.

AZALEAS - five kinds are offered, all at .25¢ per generous packet.

CHINESE (mollis) - FLAME (kaempferi) - KOREAN (poukhanensis) - PINKSHELL (Vaseyi) - ROYAL (schlippenbachii)

RHODODENDRON - four kinds are offered, all at .25¢ per generous packet.

CAROLINA (carolinianum) - CATAWBA (catawbiense) - ROSEBAY (maximum) - Seed from HYBRID VARIETIES -

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LITERATURE - For those who wish to get acquainted more thoroughly with the handling of tree and shrub seeds, we can much recommend the booklet -- IMPROVED PRACTICES IN PROPAGATION BY SEED - by L. C. Chadwick -- A complete table covering all seeds shows the approximate length of after-ripening period and temperature range required. Available from us at .30¢ postpaid.

CONDITIONS OF SALE

REMITTANCE - Please remit by Postal Money Order, Currency or Stamps (in 1 or 2¢ denomination only) may be sent in which case letters should be registered.

MINIMUM ORDER - We cannot accept orders for less than .50¢ worth of seeds.

HOW TO ORDER - Please have your order separate from any other writing you may send us. Write on one side of order sheet only. Be sure to have full address on your order.

We give no warranty, express or implied, as to description, quality, productiveness or any other matter for seed we furnish.

TREE and SHRUB seeds other than listed herein can be supplied on request.

F. W. SCHUMACHER, HORTICULTURIST
P. O. B. 131
JAMAICA PLAIN, MASS.

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